

WHAT IS CLAIMED IS:

1. An image forming apparatus, comprising:

a main body having an opening;

a power-requiring unit that can be attached to the main body by

5 being inserted in an insertion direction via the opening, and that can be detached from the main body by being pulled out in a detachment direction via the opening, the power-requiring unit having a front side toward the insertion direction and an electrode arranged on the front side;

10 a power source that supplies power to the power-requiring unit, the power source having a front side and an electrode arranged on the front side; and

an arrangement that detachably fits almost into the opening and that includes an electric conductor, wherein the electric conductor

15 makes electric contact with the electrodes of the power-requiring unit and the power source when the arrangement is fit, and the power-requiring unit can be attached or detached via the opening when arrangement is detached.

20 2. The image forming apparatus according claim 1, wherein the arrangement includes a plurality of insulation plates and the electric conductor is sandwiched between the insulation plates.

3. The image forming apparatus according to claim 1, wherein the electric conductor has a first end that makes an electric contact with the electrode of the power-requiring unit and a second end that makes an electric contact with the electrodes of the power source, wherein the first end and the second end are made of elastic material so that when the arrangement is fit, the first end and the second end are pressed against corresponding electrodes.

4. The image forming apparatus according to claim 1, further comprising an image bearing member on which a toner image is formed, wherein the image bearing member can be attached to or detached from the main body via the opening,

wherein the arrangement includes an image-bearing-member positioning member to position the image bearing member in the main body.

5. The image forming apparatus according to claim 1, further comprising an image bearing unit that includes an image bearing member on which a toner image is formed and the power-requiring unit, wherein the image bearing unit can be attached to or detached from the main body via the opening, and

wherein the arrangement includes an image-bearing-unit positioning member to adjust a position of the image bearing unit in the main body.

6. The image forming apparatus according to claim 5, wherein the electric conductor pushes a coupling member of the image bearing unit toward a coupling member of a driving device that drives the image bearing unit.

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7. The image forming apparatus according to claim 1, further comprising an intermediate transfer unit that includes an image bearing member on which a toner image is formed and an intermediate transfer body on which the toner images are transferred, wherein the intermediate transfer unit can be attached to or detached from the main body via the opening, and

wherein the arrangement includes an intermediate-transfer-unit positioning member to adjust a position of the intermediate transfer unit in the main body.

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8. The image forming apparatus according to claim 7, wherein the electric conductor pushes a coupling member of the intermediate transfer unit toward a coupling member of a driving device that drives the intermediate transfer unit.

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9. The image forming apparatus according to claim 1, wherein the power source can be attached to the main body by being inserted in an insertion direction via the opening, and that can be detached from the main body by being pulled out in a detachment direction via the opening, and the image forming apparatus further comprises a locking

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arrangement that prohibits detachment of the power source while the arrangement is fit to the main body.

10. The image forming apparatus according to claim 1, further
5 comprising:

a container for storing used toner, wherein the container is located before, with respect to the insertion direction, the arrangement.

11. The image forming apparatus according to claim 1, wherein the
10 main body includes a door, wherein the door is located before, with respect to the insertion direction, the arrangement.

12. The image forming apparatus according to claim 1, further comprising:
15 a holding unit that holds the arrangement, upon the arrangement is detached, so that the arrangement does not fit accidentally into the opening.

13. The image forming apparatus according to claim 1, further
20 comprising:
a locking unit that locks the arrangement, upon the arrangement is fit.

14. The image forming apparatus according to claim 13, wherein the arrangement is painted with a first color and the locking unit is painted in a second color, which is different from the first color.
- 5 15. The image forming apparatus according to claim 1, wherein a plurality of the power-requiring units are provided.
16. The image forming apparatus according to claim 1, wherein the power-requiring unit is a charger that electrically charges an image
10 bearing member.
17. The image forming apparatus according to claim 1, wherein the power-requiring unit is a driving unit of a roller.